SFUND RECORDS CTR 4320-00093



# ecology and environment, inc.

11 GOLDEN SHORE DR., SUITE 110, LONG BEACH, CA 90802 TELEPHONE: 310/435-6188 TELECOPIER: 310/435-6687

International Specialists in the Environment

TELECOPIER TRANS	MISSION FORM
	Time: 1047 hours
Date: 62-14-92	Total Number of Pages (Including Transmission Form):
Project Charge No. : 271641	إر (including Transmission rorm): ميانية
TO: Daw Sharre	
Location / Company : U.S. EPA , A	
Telecopier Phone No.: (415) 744	-1916
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recycled paper

o Level D: 02 <19.5% or >25%, explosive atmosphere >10% LEL, organic vapors above background levels, particulates > mg/M3, other:

o Level C: D2 <19.5% or >25%, explosive atmosphere >25% LEA (California-20%), unknown organic vapors (in breathing zone) >5 ppm, particulates >19.53 mg/M3, ? other: Particulates based on a maximum concentration of 128,000 ppm lead found on-site x the 50 fold protection factor for level C.

o Level B: 02 <19.5% or >25%, explosive atmosphere >25% LEL (California-20%), unknown organic vapors (in breathing zone) >500 ppm, particulates > mg/M3, other

o Level A: 02 <19.5% or >25%, explosive atmosphere >25% LEL (California-20%), unknown organic vapors >500 ppm, particulates > mg/M3, other

Contaminant of Type of Sample Monitoring Frequer Interest (area,personal) Equipment Sample Radiation Area Gieger Continu	-
1,000	rrud
	Tonz
Particulates Area Mini-Ram Continu	Jous

Decontamination Solutions and Procedures for Equipment, Sampling Gear, etc.:

Hand auger will be decontaminated using a aqueous TSP solution wash and DI water rinse followed by a dilute nitric acid rinse and final DI water rinse. The nitric acid rinse will be applied as a fine mist. One rinsate blank will be collected from the final DI water rinse.

### Personnel Decon Protocol:

Dry decon will be used

1910.134, and ANSI Z88.2 (1980).

Decon Solution Monitoring Procedures, i	f Applicable:	
Equipment decon solution will be collectuture disposal.	ted and left on-site for	
Special Site Equipment, Facilities, or Facilities and Lighting Must Meet 29 CF	Procedures (Sanitary R 1910.120):	
Site Entry Procedures and Special Consi	derations:	
Responsible party may be hostile.	AL P	
Work Limitations (time of day, weather Heat/Cold Stress Requirements:	conditions, etc.) and	
General Spill Control, if Applicable:		
Investigation-Derived Material Disposa decon waste, cuttings):		
All I-D waste will be double bagged and left on-site.		
Sample Handling Procedures Including P	rotective Wear:	
All sampling done on-site will be down containers will be decontaminated usin wash and DI water rinse. Personnel conitrile gloves.	O SU SUNGOUS ISC SOTORION	
Team Member*	Responsibility	
Robert Wise	Team Leader	
Nancy Parson	Site Safety Officer	
	LACoFD Haz. Mat.	
Gerry Munoz	And the little processing the second	
	And the second section is a second section to the section to the second section to the second section to the second section to the section to the second section to the section to	
*All entries into exclusion zone requ: E&E field staff participate in medical have completed applicable training per	I WOLLECOLING Brodien and	

### E. EMERGENCY INFORMATION

(Use supplemental sheets, if necessary)

## LOCAL RESOURCES

(Obtain a local telephone book from your hotel, if possible)

Ambulance 911					
Hospital Emergency Ro	com Rio Hondo Memorial: (213) 806-1821				
Poison Control Center	Poison Control Center See attached sheet				
Police (include local sheriff, state)	i, county 911				
Fire Department 91					
Airport Not Applic	able				
Agency Contact (EPA, Gerry Munoz (213) 744	State, Local USCG, etc.) -5304				
	Not Applicable				
	Not Applicable				
Client/EPA Contact	Dan Shame (415) 744-2000				
Site Contact	Gerry Munoz				
	SITE RESOURCES				
Site Emergency Evacua	ation Alarm Method:				
Water Supply Source					
Telephone Location, Number					
Cellular Phone, if available					
Radio					
Other	- Shows				

### **EMERGENCY CONTACTS**

- 1. Dr. Raymond Harbison: (501) 221-0465 or (904) 462-3277, 3281 (Univ. of Florida, Alachua, Fl) (501) 370-8263 (24 hours)
- 2. Ecology and Environment, Inc., Safety Director Paul Jonmaire ...... (716) 684-8060 office (716) 655-1260 home
- 3. Regional Office Contact, John Roosen .. (415) 777-2811 office (415) 898-5060 home
- 4. Los Angeles ATATL Craig Benson ..... (213) 481-3870 office (818) 989-0698 home

### MEDTOX HOTLINE

- Twenty-four hour answering service: (501) 370-8263 What to report:
- State: "This is an emergency."
- Your name, region, and site.
- Telephone number to reach you.
- Your location.
- Name of person injured or exposed.
- Nature of emergency.
- Action taken.
- 2.toxicologist, (Drs. Raymond Harbison or associate) will contact you. Repeat the information given to the answering service.
- If a toxicologist does not return your call within 15 minutes, call the following persons in order until contact is made:
  - a. 24 hour hotline (706) 684-8940
- b. Corporate Safety Director P. Jonmaire home# (716) 655-1260
- c. Asst Corp. Safety Officer S. Sherman home# (716) 688-0084

\* i# \*

EMERGENCY ROUTES (NOTE: Field Team must Know Route(s) Prior to Start of Work)

### Directions to hospital (include map)

Go south on Clara to Scout. Turn left onto Scout. Take Scout to Florence. Make a right turn onto Florence. Take Florence to Paramont. Make a left onto Paramount. Take Paramount to Telegraph. Make a right onto Telegraph. Rio Hondo Memorial Hospital is located at 8300 E. Telegraph Rd. Downey.

Emeregency Egress Routes to Get Off-Site

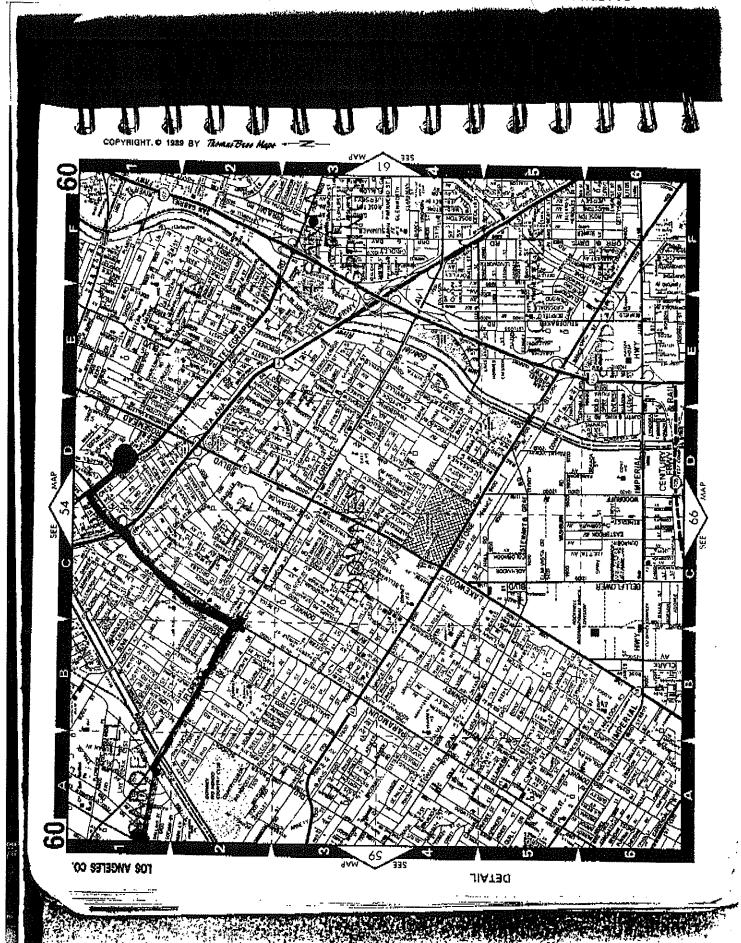
Site can be exited either through the front or back yards.

# F. EQUIPMENT CHECKLIST

Level A		No Level 8	No
SCBA .		SCBA	
Spare Air Tanks		Spare Air Tanks	
Encapsulating Suit Type:		Protective Coverall Type:	
Surgical Gloves		Rain Suit	
Neoprene Safety Boots		Butyl Apron	
Booties		Surgical Gloves	
Gloves, Type:		Gloves, Type:	
Outer Work Gloves		Duter Work Gloves	
Hard Hat		Neoprene Safety Boots	
Cascade System		Booties	
5-Minute Escape Mask		Hard Hat w/Face Shield	
		Cascade System	
		Manifold System	
Level C	No	Level D	No
Wltra-Twin Respirator	X	Ultra-Twin Respirator	
Power Air Purifying Resp.		Cartridges, Type:	
Cartridges, Type: GMC-H	X	5-Minute Esc Mask (Avail)	
Protective Coverall Type: Tyvec	X	Protective Coverall Type:	
5-Minute Escape Mask		Rain Suit	
Rain Suit		Neoprene Safety Boots	
Butyl Apron		Booties	
Surgical Gloves	Х	Work Gloves	
Gloves, Type: Nitrile	Х	Hard Hat with Face Shield	
Outer Work Gloves		Safety Glasses	
Neophene Safety Boots	X		
Hard Hat with Face Shield	Х		
Booties	X		

INSTRUMENTATION	No.	DECON EQUIPMENT	No.
OVA		Wash Tubs	
Thermal Desorber		Buckets	X
O2/Explosimeter & Cal Kit		Scrub Brushes	Х
Photovac Tip		Pressurized Sprayer	χ
HNu		Detergent - Type: TSP	X
Magnetometer		Solvent - Type: Nitric Acid (dilute)	Х
Pipe Locator		Plastic Sheeting	X
Weather Station		Tarps and Poles	
Draeger Pump and Tubes		Trash Bags	X
Brunton Compass		Trash Cans	
HCN Monotox		Masking Tape	
H2S Monotox		Duct Tape	X
Heat Stress Monitor		Paper Towels	X
Noise Equipment		Face Mask Sanitizer	
Air Sampling Pumps		Folding Chairs	
Mini-Ram	Х	Step Ladders	
		Distilled Water	X
RADIATION EQUIPMENT	No.	SAMPLING EQUIPMENT	No.
Documentation Forms		Sample Jars	X
Portable Ratemeter		VQA Vials	
Scaler/Ratemeter NaI Probe InS Probe GM Pancake Probe GM Side Window Probe		Air Sampling Pump Supplies and Collection Media Type:	
Micro R Meter	х	String	
Ion Chamber		Hand Bailers	
Alert Dosimeter		Thieving Rods	
Pocket Dosimeter		Scoops/Trowels	X
		Knives	

FIRST AID EQUIPMENT	No.	VEHICLE EQUIPMENT	No.
First Aid Kit	х	Tool Kit	
Oxygen Administrator		Hydraulic Jack	
Stretcher		Lug Wrench	
Portable Eye Wash		Tow Chain	
Blood Pressure Monitor		Vehicle Check-Out: Gas, Oil, Antifreeze, Battery, Tire Pressure	
Fire Extinguisher	X		
SHIPPING EQUIPMENT	No.	MISCELLANEOUS	No.
Coolers	X	Pitcher Pump	
Paint Cans w/ Lids		Surveyor's Tape	Х
Vermiculite		100' Fiberglass Tape	
Shipping Labels	X	300' Nylon Rope	
DOT Labels	X	Nylon String	
Strapping Tape	X	Surveying Flags	Х
Sample Container Labels	×	Slide Film	Х
Zip-Lock Baggies	X	Wheel Barrow	
Custody Seals	х	Bung Wrench	
Chain-of-Custody Forms	X	Soil Auger	X
Federal Express Forms		Pick	
Clear Packing Tape		Shovel	X
		Catalytic Heater	
		Propane Gas	
		Banner Tape	X
		Surveying Meter Stick	
		Chaining Pins and Ring	
		Tables	
		Weather Radio	
		Binoculars	
		Megaphone	



DE. TECHNICAL PURE (DOT) # DODGC DAIDE \* DYP-97 F \* LAURDX \* OXIDE, TECHNICALLY PURE (DOT) \* LYP 97 \* PERONYDE & LAUROVE VCH)

NSENSUS REPORTS: IARC C : GROUP 3 IMEMDT 7,56,87 equate Evidence IMEMDT 36,315 d in EPA TSCA Inventory.

MAK: Mild skin effects. Classification: Organic Peroxide ganic Peroxide.

TY PROFILE: Questionable can xperimental tumorigenic data. A po ing agent. It is a corrosive irritari? and mucous membranes and can A dangerous fire hazard. When omposition it emits acrid smoke

#### CAS: 93-23-2 YLISOQUINOLINIUM BROMIDE H<sub>32</sub>N • Br mw: 378,45

Deep amber, water-sol liquid; plea ristic odor.

DODECYLISOOUINOLINIUM BROMIDE YAN LO75 \* 150THAN

NSUS REPORTS: Reported in ventory.

PROFILE: Poison by ingestion. irritant. Combustible when expe r flame. Incompatible with oxidiz An FDA over-the-counter ated to decomposition emits to Br and NO...

## CAS: {12-55-0 MERCAPTAN

mw: 202,44

ster-white to pale yellow liquid. 5-177°, flash p: 262°F (OC), d: 0.84

HRE

DECANETHIOL \* DODECYL MERCAN DDECYL MERCAPTAN \* 1-DODECYL \* m-LAURYL MERCAPTAN & 1-MEN THE # NCI-CHOPES # PENNFLOAT

JS REPORTS: Reported in EPA itory.

REL: (n-Alkane Mono Thiols) CL 0.5

PROFILE: Mutation data reported. fre, use alcohol foam. When heated position it emits toxic fumes of SO,

#### CAS: 8022-15-9 HR: 1 LEVANDIN OIL

Main constituent is Linalool. Prepared distillation of the flowering stalks of Lavanoula hybrida reverchon, Lavanbrielis (Fam. Labiatue), Lavandula officior Lavandula latifolia. Yellow liquid; horaccous odor of lavender. D: 0.885, refr 1.460 @ 20°. Sol in fixed oils, propylenc mineral oil; insol in glycerin.

EYN; OIL OF LAVANDIN, ABRIAL TYPE

CONSENSUS REPORTS: Reported in EPA tsCA Inventory.

ENETY PROFILE: A skin irritant. When bested to decomposition it emits acrid smoke and imitating fumes.

#### CAS: 8000-28-0 100000 HR: 1 LAVENDER OIL

MOP: Found in the flowers of Lavandula officiselis Chaix et Villars (Lavabdula vera Do Cancole (Fam. Labiatue). The main constituent is linally accetate. A colorless to yellow liquid: deracteristic odor and taste of lavender flowers. D: 0.875, refr index: 1.459-1.470 @ 20°.

SYNS: LAVENDEL OEL (GERMAN) \* (DIL of LAVEN-

CONSENSUS REPORTS: Reported in EPA TSCA Inventory.

SAFETY PROFILE: Mildly toxic by ingestion. A skin irritant. When heated to decomposition itemits acrid smoke and irritating fumes.

> CAS: 7439-92-1 HR: 3

af: Pb aw: 207.19

PROP: Bluish-gray, soft metal. Mp: 327,43°, bp: 1740°, d: 11.34 @: 20°/4°, vap press: 1 mm @ 973°.

SYNS: C.I. 77375 \* C.I. PIGMENT METAL 4

- GLOVER \* LEAD FLAKE \* LEAD 52
- \* OLOW (POLISH) \* OMAHA \* OMAHA & GRANT

CONSENSUS REPORTS: IARC Cancer Review: GROUP 2B IMEMDT 7,230,87; Animal Inadequate Evidence IMEMDT 23.325,80. Lead and its compounds are on the Community Right-To-Know List. Reported in EPA TSCA Inventory, EPA Genetic Toxicology Program.

OSHA PEL: TWA 0.05 mg(Pb)/m³

ACGIH TLV: TWA 0.15 mg(Pb)/m3; BEI: 50 μg(lead)/L in blood; 150 μg(lead)/g creatinine in urine.

DFG MAK: 0.1 mg/m3; BAT: 70 µg(lead)/L in blood, 30 µg(lead)/L in blood of women less than 45 years old.

NIOSH REL: TWA (Inorganic Lead) 0.10 mg(Pb)/m3

SAFETY PROFILE: Suspected carcinogen. Poison by ingestion. Moderately toxic by intraperitoneal route. Human systemic effects by ingestion and inhalation: loss of appetite, anemia, malaise, insomnia, headache, irritability, musele and joint pains, tremors, flaccid paralysis without anesthesia, hallucinations and distorted perceptions, muscle weakness, gastritis and liver changes. The major organ systems affected are the nervous system, blood system, and kidneys. Lead encephalopathy is accompanied by severe cerebral edema, increase in cerebral spinal fluid pressure, proliferation and swelling of endothelial cells in capillaries and arterioles, proliferation of glial cells, neuronal degeneration and areas of focal cortical necrosis in fatal cases. Experimental evidence now suggests that blood levels of lead below 10 µg/dl can have the effect of diminishing the IQ scores of children. Low levels of lead impair neurotransmission and immune system function and may increase systolic blood pressure. Reversible kidney damage can occur from acute exposure. Chronic exposure can lead to irreversible vascular schlerosis, tubular cell atrophy, interstitial fibrosis, and glomerular sclerosis. Severe toxicity can cause sterility, abortion and neonatal mortality and morbidity. Experimental teratogenic and reproductive effects. Human mutation data reported. Very heavy intoxication can sometimes be detected by formation of a dark line on the gum margins, the so-called "lead

When lead is ingested, much of it passes through the body unabsorbed, and is eliminated in the feces. The greater portion of the lead that is absorbed is caught by the liver and excreted, in part, in the bile. For this reason,

LEAD ACETATE

708

larger amounts of lead are necessary to cause toxic effects by this route, and a longer period of exposure is usually necessary to produce symptoms. On the other hand, upon inhalation, absorption takes place easily from the respiratory tract and symptoms tend to develop more quickly. For industry, inhalation is much more important than is ingestion. For the general population, exposure to lead occurs from inhaled air, dust of various types, and food and water with an approximate 50/50 division between inhalation and ingestion routes. Lead occurs in water in either dissolved or particulate form. At low pH, lead is more easily dissolved. Chemical treatment to soften water increases the solubility of lead. Adults absorb about 5-15% of ingested lead and retain less than 5%. Children absorb about 50% and retain about 30%.

Lead produces a brittleness of the red blood cells so that they hemolyze with but slight trauma; the hemoglobin is not affected. Due to their increased fragility, the red cells are destroyed more rapidly in the body than is normal. producing an anemia which is rarely severe. The loss of circulating red cells stimulates the production of new young cells which, on entering the blood stream, are acted upon by the circulating lead, with resultant coagulation of their basophilic material. These cells after suitable staining, are recognized as "stippled cells." There is no uniformity of opinion regarding the effect of lead on the white blood cells.

In addition to its effect on the red blood cells, lead produces a damaging effect on the organs or tissues with which it comes in contact. No specific or characteristic lesion is produced. Autopsies in deaths attributed to lead poisoning and experimental work on animals have shown pathological lesions of the kidneys, liver, male gonads, nervous system, blood vessels and other tissues. None of these changes, however, has been found consistently. In cases of severe lead poisoning, the amount of lead found in the blood is frequently in excess of 0.07 mg per 100 cc of whole blood. The urinary lead excretion generally exceeds 0.1 mg per liter of urine.

Flammable in the form of dust when exposed to heat or flame. Moderately explosive in the form of dust when exposed to heat or flame. Mixtures of hydrogen peroxide + trioxane explode on contact with lead. Rubber gloves containing lead may ignite in nitric acid. Violent reaction on ignition with chlorine trifluoride; concentrated hydrogen peroxide; ammonium ni-

trate (below 200° with powdered lead); acetylide (with powdered lead). Incom-with NaN3: Zr; disodium acetylide; on Can react vigorously with oxidizing mean A common air contaminant. When her decomposition it emits highly toxic fun

#### LCG000 CAS: 301-04-2 LEAD ACETATE

**DOT: UN 1616** 

mw: 325.29 mf: C4H6O4+Pb

PROP: Trihydrate: colorless crystals or granules or powder. Sitly acetic odor, a effloresces. D: 2.55, mp: 75° (when ma heated), decomp above 200°. Very sol in

SYNS: ACETATE de PLOMB (FRENCH) . ACETA ACID LEAD (2+) SALT \* BLEIACETAT (GERMAN)

- \* DIBASIC LEAD ACETATE \* LEAD (2+) ACETA
- \* LEAD IN ACETATE \* LEAD DIACETATE
- \* LEAD DIBASIC ACETATE \* NORMAL LEAD TATE A PLUMBOUS ACETATE & RCRA WASTE NUMBER USER \* SALT of SATURN \* SUCAR

CONCENSUS REPORTS: IARC Canon view: GROUP 3 IMEMDT 7,230,87; Ar Sufficient Evidence IMEMDT 23,325 IMENIDT 1,40,72; Human Limited Evide IMEMDT 23,325,80. NTP Fourth Annual port On Carcinogens, 1984. Lead and its 6 pounds are on the Community Right-To-Ki List. Reported in EPA TSCA Inventory. Genetic Toxicology Program.

OSHA PEL: TWA 0.05 mg(Pb)/m3 ACGIH TLV: TWA 0.15 mg(Pb)/m3 NIOSH REL: (Inorganic Lead) TWA 0, mg(Pb)/m3

DOT Classification: ORM-E; Label: No. Poison B; Label: St. Andrews Cross.

SAFETY PROFILE: Confirmed carcinogen experimental neoplastigenic and tumorige data. Poison by ingestion, intraperitoneal, cutaneous, and intravenous routes. Experin tal teratogenic and reproductive effects. Hun mutation data reported. Used as color addition in hair dyes, an insecticide, an astringent, sedative. Incompatible with KBrO3, acids, of ble sulfates, citrates, tartrates, chlorides, bonates, alkalies, tannin phosphates, resorci salicylic acid, phenol, chloral hydrate, sali